

Alabama Department of Public Health



Center For Emergency Preparedness





ADPH Mission

- ◆ The purpose of the Alabama Department of Public Health (ADPH) is to provide caring, high quality and professional services for the improvement and protection of the public's health through disease prevention and the assurance of public health services to resident and transient populations of the state regardless of social circumstances or the ability to pay. The Alabama Department of Public Health works closely with the community to preserve and protect the public's health, to provide caring, quality services and serve the people of Alabama by assuring conditions in which they can be healthy.



- ◆ ADPH and Emergency Response Structure
- ◆ CEP Roles and Responsibilities
- ◆ Agency Assets
- ◆ Events – “Emergency planning is an ongoing process”
 - ◆ H1N1 Flu Response – April 2009
 - ◆ Water Shortage – January 2010
 - ◆ Deepwater Horizon Gulf Oil Spill – April 2010
 - ◆ Tornado Response – April 2011
- ◆ Questions



Emergency Support Functions

EMERGENCY SUPPORT FUNCTIONS (ESF) LIST

- | | | | |
|----------|--|-----------|---------------------------------------|
| 1 | Transportation & Infrastructure | 8 | Health & Medical Services |
| 2 | Communication | 9 | Urban Search & Rescue |
| 3 | Public Works & Engineering | 10 | Oil & Hazardous Materials
Response |
| 4 | Fire Service | 11 | Agriculture, Natural Resources |
| 5 | Emergency Management | 12 | Energy |
| 6 | Mass Care, Housing & Human
Services | 13 | Public Safety & Security |
| 7 | Resource Support | 14 | Recovery & Mitigation |
| | | 15 | External Affairs |

Roles

- ◆ ADPH is the lead agency in Emergency Support Function (ESF) 8 and the support agency for healthcare organizations that provide direct patient care in an emergency response. Each of the 11 public health areas has an emergency preparedness team devoted to preparedness planning. Team members include some combination of the following roles:
 - ◆ Emergency Preparedness Coordinator
 - ◆ Environmentalist
 - ◆ Surveillance Nurse
 - ◆ Administrative Support Assistant

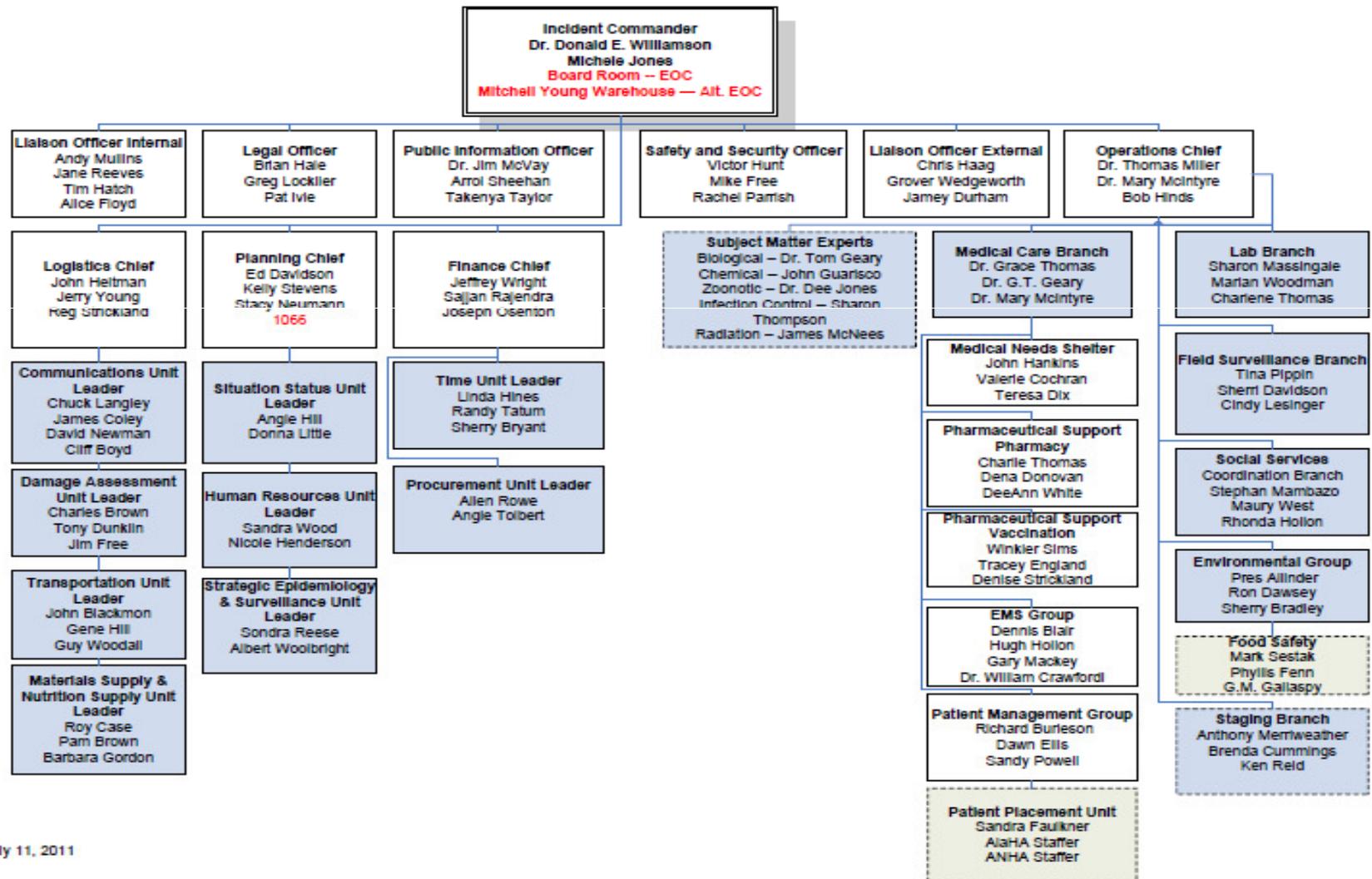


Emergency Support Function 8 Health and Medical

- ◆ Assessment of health/medical needs
- ◆ Health surveillance
- ◆ Medical care personnel
- ◆ Health/medical equipment and supplies
- ◆ Patient evacuation
- ◆ In-hospital care
- ◆ Worker health/safety
- ◆ Radiological/chemical/biological hazards consultation
- ◆ Mental health care
- ◆ Public health information
- ◆ Vector control
- ◆ Potable water/wastewater and solid waste disposal
- ◆ Victim identification/mortuary services
- ◆ Veterinary services



ADPH Incident Command System Positions Chart

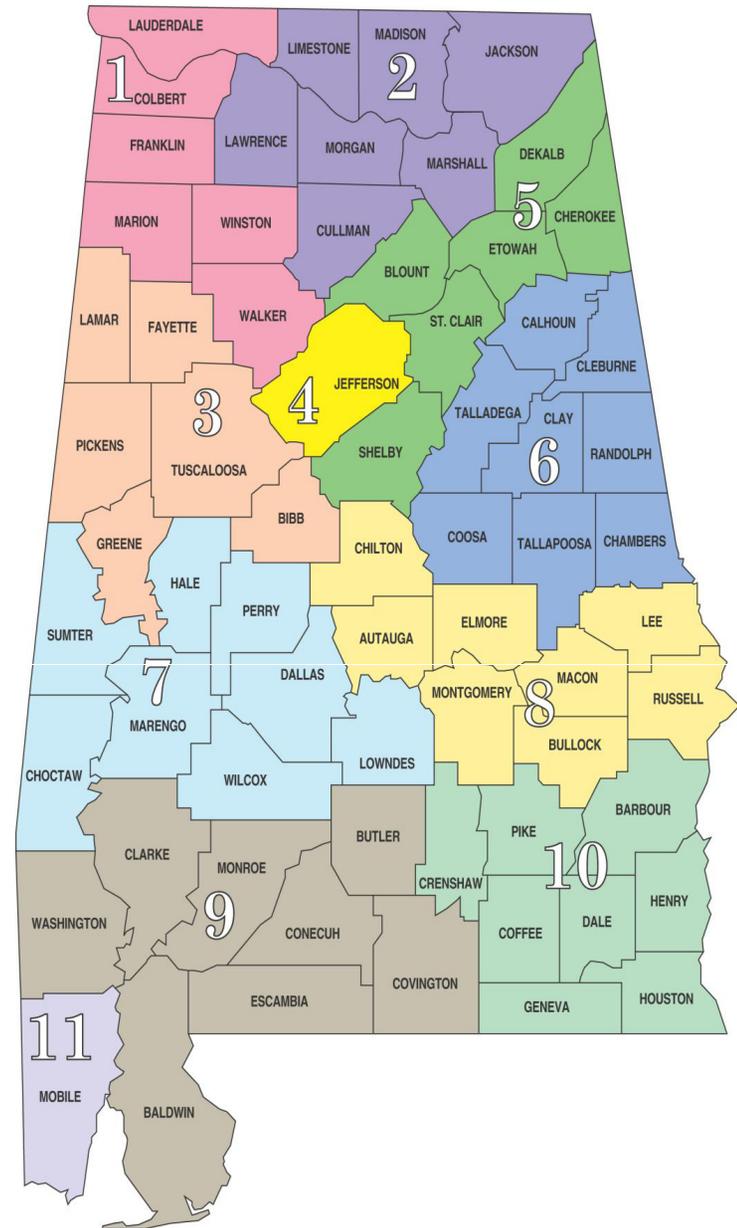


All Events Are Local

- ◆ When the capacity of the locals is reached, they reach out to the state partners.
- ◆ When the capacity of the state is reached, it reaches out to the federal partners.
- ◆ State and federal partners assist and support the local government in managing and responding to the event.



Alabama is divided into eleven Public Health Areas



CEP Responsibilities

- ◆ The Center for Emergency Preparedness (CEP) coordinates Alabama's health, medical, and social services in the event of public health threats and emergencies. Under the state Emergency Operations Plan, ESF 8 includes all medical aspects of an emergency response.



CEP

Before an Event

- ◆ Coordination of planning within ADPH
- ◆ Coordination with state and federal partners
- ◆ Compliance with the National Incident Management System (NIMS) and the National Response Framework (NRF)
- ◆ Grants management for emergency preparedness



CEP

During an Event

- ◆ NIMS and NRF compliance
- ◆ Internal Liaison
- ◆ Call Center
- ◆ Region IV Unified Planning Coalition (UPC) Representation



After an Event

- ◆ After Action Report
- ◆ Evaluation
- ◆ Corrective Action Plan



AGENCY ASSETS



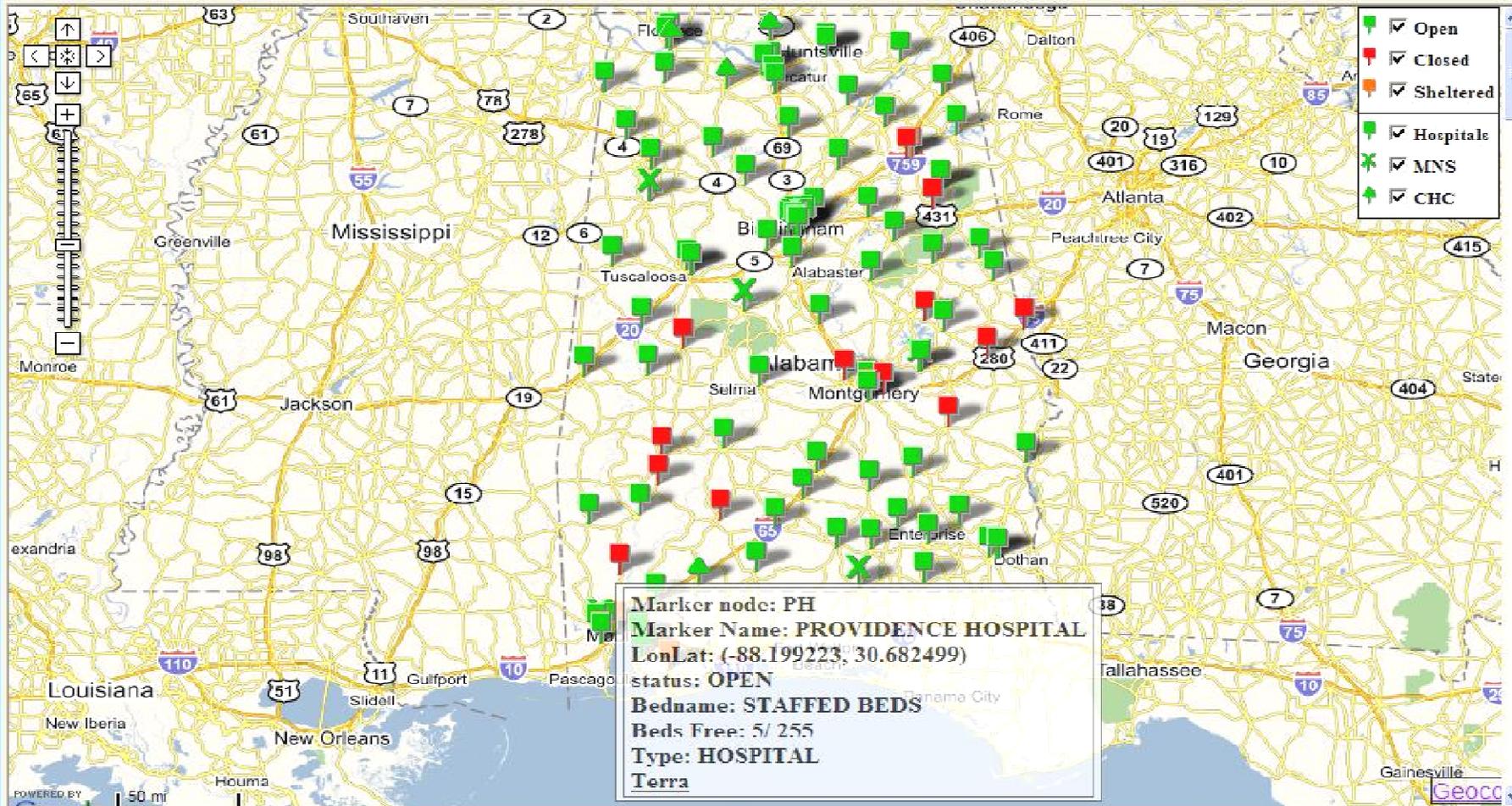
Teams

■ Medical Needs Shelter	48
■ Medical Station Set-up	15
■ Administrative Response	7

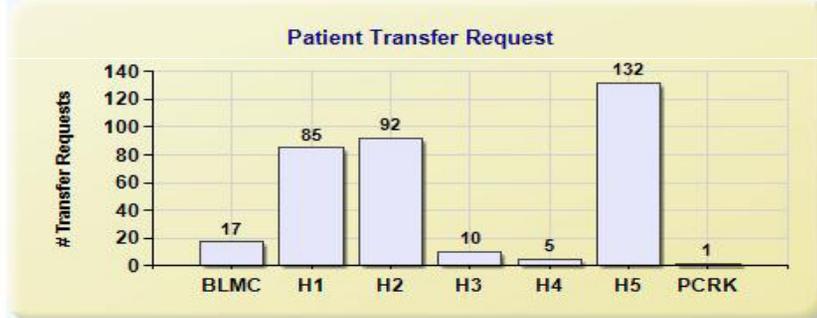
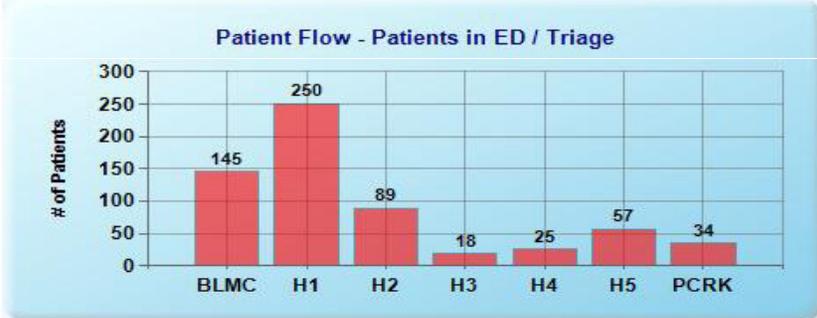
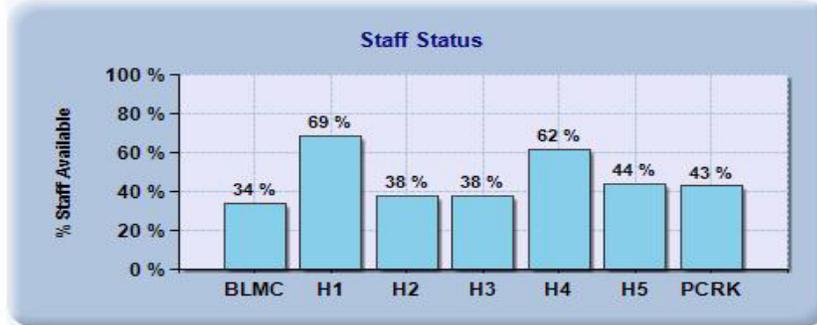
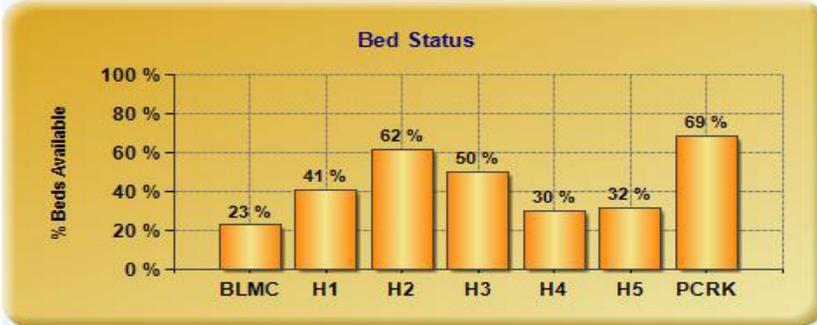


AIMS

- ◆ Tracks bed availability in hospitals, nursing homes, medical needs shelters and other locations as well as capacity within the EMS system
- ◆ Tracks resources at facilities including staff and supplies.
- ◆ Allows for immediate requests for assistance or offers of assistance.



Marker node: PH
Marker Name: PROVIDENCE HOSPITAL
LonLat: (-88.199223, 30.682499)
status: OPEN
Bedname: STAFFED BEDS
Beds Free: 5/ 255
Type: HOSPITAL
Terra



Hospital Status

Hospital	Status

Alerts

Hospital	Reference	InitialComments	Followup Comments	Response	Timestamp
H2	OTHER	TEST FOR MESSAGE FLOW	TEST FOR MESSAGE FLOW	NORMAL	4/29/2004 4:00:00 PM
H2	ER ISSUE(S)	ping for additional help.	ping for additional help.	NORMAL	4/29/2004 2:41:00 PM
H2	OTHER	additional resources dispatched according	additional resources dispatched	NORMAL	4/29/2004 8:58:00 AM
H5	STAFF	I have dispatched an additional 30 volunt	I have dispatched an additional	NORMAL	4/28/2004 11:09:00 PM

Five Levels of Care Outside the Home

1. Mass Care Shelters
2. Comfort Care Shelters
3. Medical Needs Shelters
4. Alternative Care Sites
5. Hospitals

Mass Care Shelters

- ◆ Operated by the Alabama Department of Human Resources under ESF-6 –Sheltering in cooperation with Red Cross and other partners.
- ◆ ADPH may have nurses present on a limited basis.

Comfort Care Centers

- ◆ Sponsored by ADPH
- ◆ Managed, Operated and Staffed by local Faith-based or Civic Organizations
- ◆ Provides home level care in a shelter environment.
- ◆ For those who could be cared for at home if they had someone there to provide care
- ◆ Care will consist of comfort measures including over-the-counter medications

Medical Needs Shelters



MISSION

The mission of a Medical Needs Shelter is to provide a shelter of last resort during emergency conditions for persons with conditions requiring medical/nursing oversight and who cannot be accommodated in a general population shelter. The MNS *is* housed in a *secure* facility with sustainable power, water, sanitation, and limited food service.

A “Secure” facility is:

1. Structurally appropriate
2. Staffed by security personnel
3. Not in mandatory evacuation zone or high risk area

Who Will Be Seeking Care in the Medical Needs Shelter?

- ◆ People with minor health/medical conditions who require professional observation, assessment, and maintenance but who do not require institutional care.
- ◆ People with chronic stable conditions who may require assistance with the activities of daily living but who do not require institutional care.

Medical Needs Shelters

State Agency Responsibilities

Medical Needs Shelters require a multi-agency effort.

<i>Task</i>	<i>Agency</i>
Facility Selection	EMA/DHR/ADPH
Facility Management	DHR
Food Service	DHR
Medical Supplies	ADPH
Medical Cots/Beds	ADPH
Staff Cots	EMA
Medical Staff	ADPH
Mental Health Issues	DMH/MR
Safety	ADPH
Security	EMA
Social Service Issues	ADPH/DHR
Backup Power	EMA

Alternative Care Sites

- ◆ Sponsored, Managed, Operated, Staffed and supplied by hospitals in non traditional settings
- ◆ These shelters will provide sub hospital care when hospitals are completely filled.
- ◆ The Joint Commission requires all accredited hospitals to have a Alternative Care Site Plan.

Hospitals

- ◆ Traditional hospital care
- ◆ Altered standards of care may be in place during emergency events when the hospitals capacity and capability is taxed by unusually large numbers or acuity of patients.

Transportation Assets



- Four each assigned; Ford F350 Diesel
- Used to tow all trailers



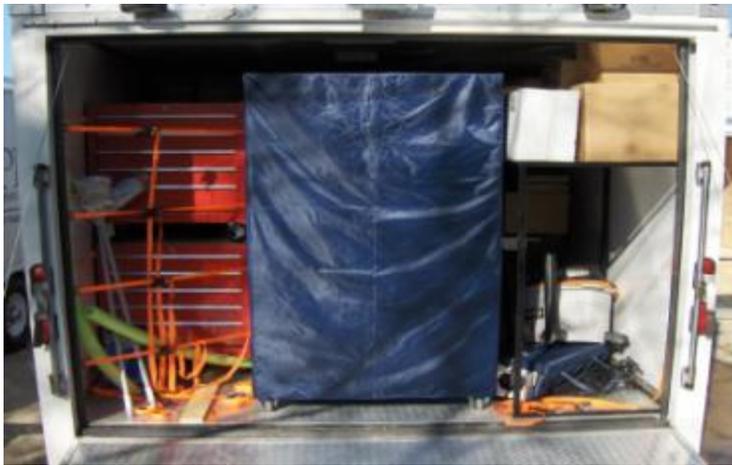
Mobile Medical Stations



7 stations with 3 trailers per station
4 at Smothers Road Warehouse
1 in Mobile County
1 in Jefferson County
1 in Madison County



Medical Station



- Contents in trailers



Mobile Medical Stations



Cot Trailers



- 6 cot trailers



Patient Cots with Disposable Linens



Pharmacy Trailer



Water Purification Units



Responder
60 gal/hr



Recycler
2400 gal/hr



Outpost
720 gal/hr



Water Purification Unit



Communications Truck

- ◆ Rapidly Deployable
- ◆ On-Site Multiple Interoperable Communications
- ◆ Satellite Connectivity with Video Streaming
- ◆ Internet Access
- ◆ On-board PTO Driven Generator



The Truck

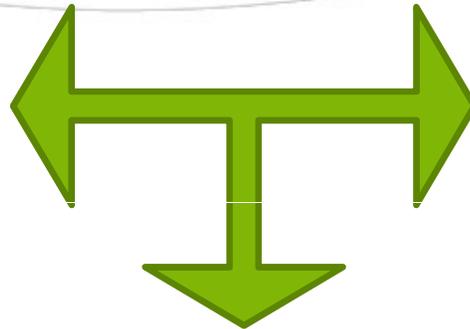


Deployment

- ◆ Centrally located in state
- ◆ One person operation
- ◆ Setup time to be fully operational - 20 minutes



Interoperable Communications



Radio Rack



Audio/Visual Rack



Satellite Features

- ◆ Satellite antennae (GPS Activated Satellite Finder)
- ◆ Web Video Streaming (Quad channel stream-internal Camera, external camera, DirecTV, 4th port open)
- ◆ DirecTV Access



Internet Features

- ◆ Wi-Fi Internet Hot Spot (fixed and remote range extender)
- ◆ Wireless-G Router for Mobile Internet Access
- ◆ Internet access Via Wi-Fi or wired
- ◆ Voice Over Internet Protocol



Additional Features

- ◆ Closed Circuit Camera (external and internal)
- ◆ Three on board monitor screens
- ◆ Fax/Printer/Copier/Scanner All in One
- ◆ External Patch Panel



Computer System

- ◆ Two laptop computers
- ◆ Station for additional laptop
- ◆ Wide Area System (drop and click connectivity to truck channels as well as to other state trucks that are in network system—EMA)



Power Options

- Onboard Power Generator (PTO driven)
Exhaust Diverter
- External Generator
- Shore Power (Standard 110 volt AC)



Fatality Management



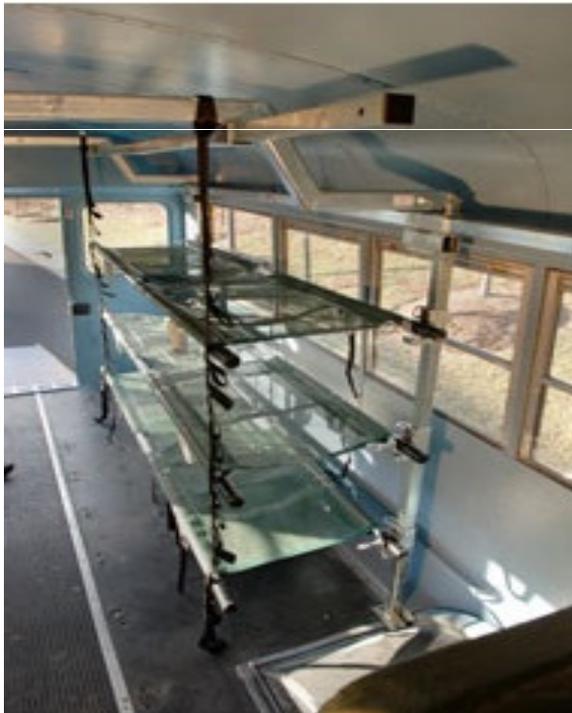
Refrigerated Trailer



Will accommodate 29 decedents in stainless steel trays.



Bus Conversion Kits



Fifth Wheel Camper/Office



Satellite Truck



Satellite Truck

- ◆ Mobile satellite uplink
- ◆ Live and On Demand webcasting
- ◆ Off-site conference support
- ◆ In-studio and on location filming
- ◆ News conferences and video news releases
- ◆ TV public service announcements



Generators – 100kw 8 each



Utility Trailers and Small Generators



24 utility trailers at public health area sites



Portable generator trailer



EP small generators



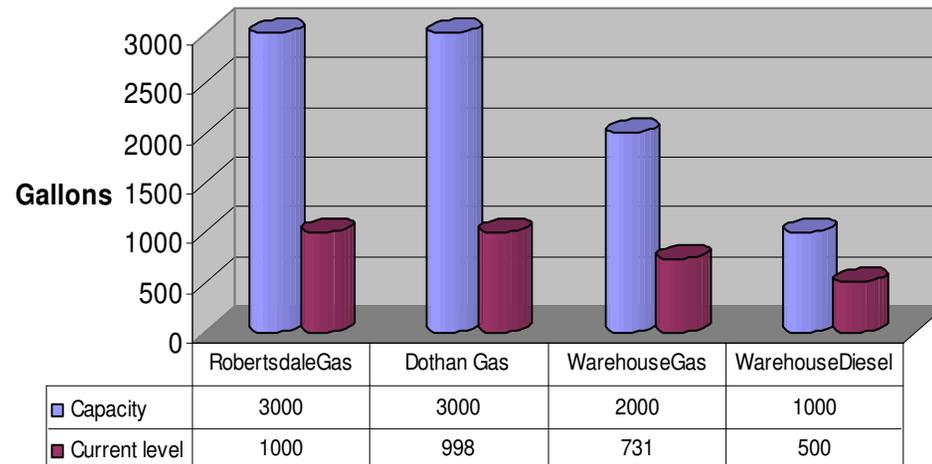
Portable fuel trailer/4 each: 6 tanks 5 diesel, one gas



Fuel Tanks



Fuel Tanks



Location



CEP in Action



Gulf Oil Spill Event



Public Health Response to the Gulf Oil Spill 2010

“Deepwater Horizon Disaster”



Timeline of Event

- ◆ April 20, 2010 – Explosion aboard Deepwater Horizon – 11 lives lost, 17 injured
- ◆ April 22, 2010 – Deepwater Horizon sinks into Gulf of Mexico
- ◆ April 28, 2010 – BP named as the responsible party by U.S. Coast Guard
- ◆ April 30, 2010 – Incident Command centers activated in Houma, LA, and Mobile, AL (ADPH staffs ESF-8 desk)
- ◆ May 1, 2010 – Admiral Thad Allen named as the Incident Commander for the response and Captain Steven Poulin is UC Mobile Chief



Role of ADPH Staff

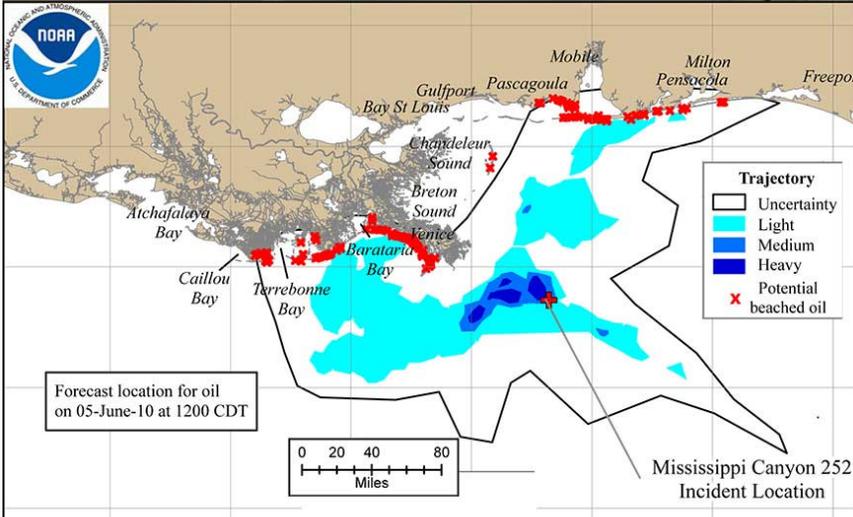
- ◆ Public Health Unit within the planning section of Unified Command
- ◆ Subject Matter Experts participating in daily teleconferences
- ◆ Joint Information Center
- ◆ State EOC
- ◆ Providing detailed reports to Dr. Williamson, State Health Officer
- ◆ Local support on the coast plus town hall meeting coordination



Partnerships With State Agencies

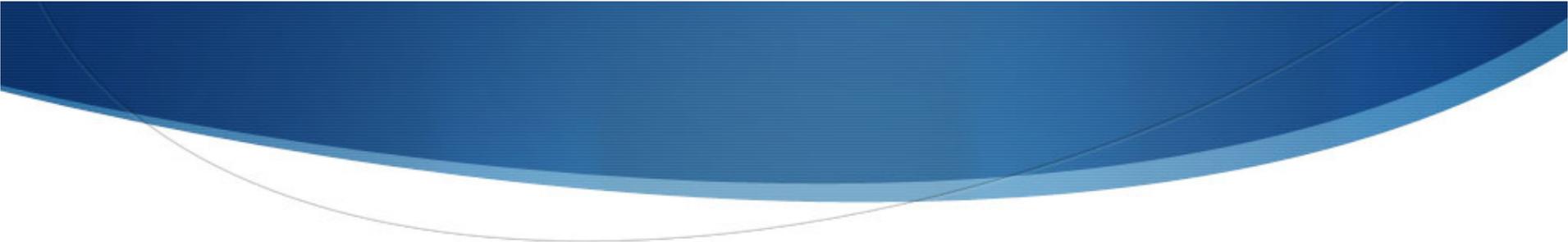
- ◆ Daily flyovers to establish oil locations
- ◆ Shared information
- ◆ Releases reviewed by each agency
- ◆ Joint press releases
- ◆ Public appearances



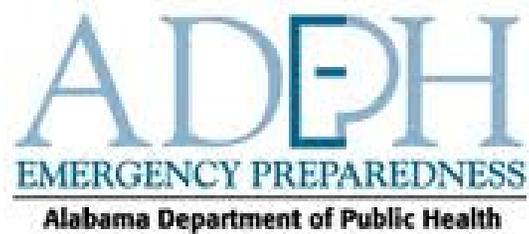


This forecast is based on the NWS spot forecast from Wednesday, June 2 PM, C (NOAA Gulf of Mexico, West Florida Shelf/USF, NAVO/NRL) and HFR meast Tuesday evening satellite imagery analysis (NOAA/NESDIS) and Wednesday o may contain tarballs that are not readily observable from the imagery (hence no not how inlets could be brought into the bay by local tidal currents.





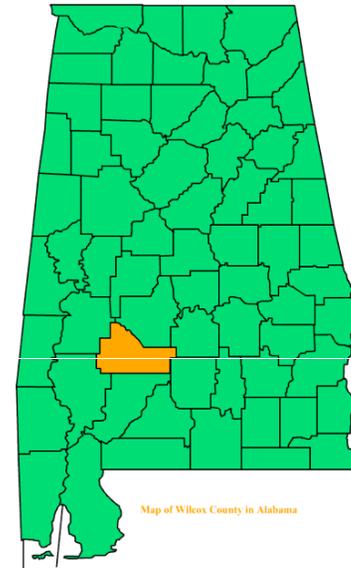
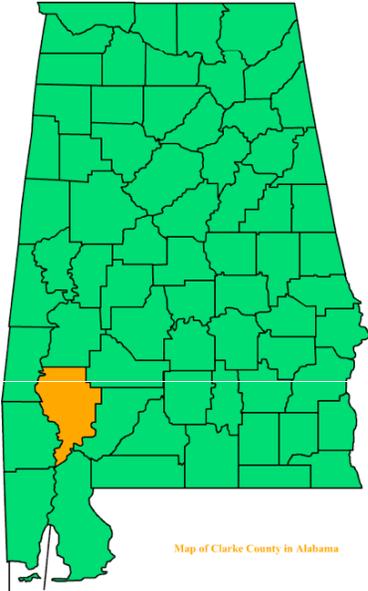
Water Shortage Event



Maps:

Clarke County, Alabama.

http://www.mapzones.org/Clarke_County_Alabama.html



Wilcox County, Alabama.

http://mapzones.org/Wilcox_County_Alabama.html



Wilcox Water Response Pictures



Tornado Response



Severe Weather Outbreak April 27, 2011

Situation Report #1

April 27, 2011 2:00 PM

Background

- Wednesday April 27, 2011
 - The Alabama Emergency Management Agency (AEMA) activated at Level 1.
 - The ADPH External Liaison to Clanton, AL (EOC).
 - Governor Robert Bentley declared a “state of emergency.”
 - Six deaths initially reported as a result of the weather.



Severe Weather Outbreak April 27, 2011

Situation Report #2

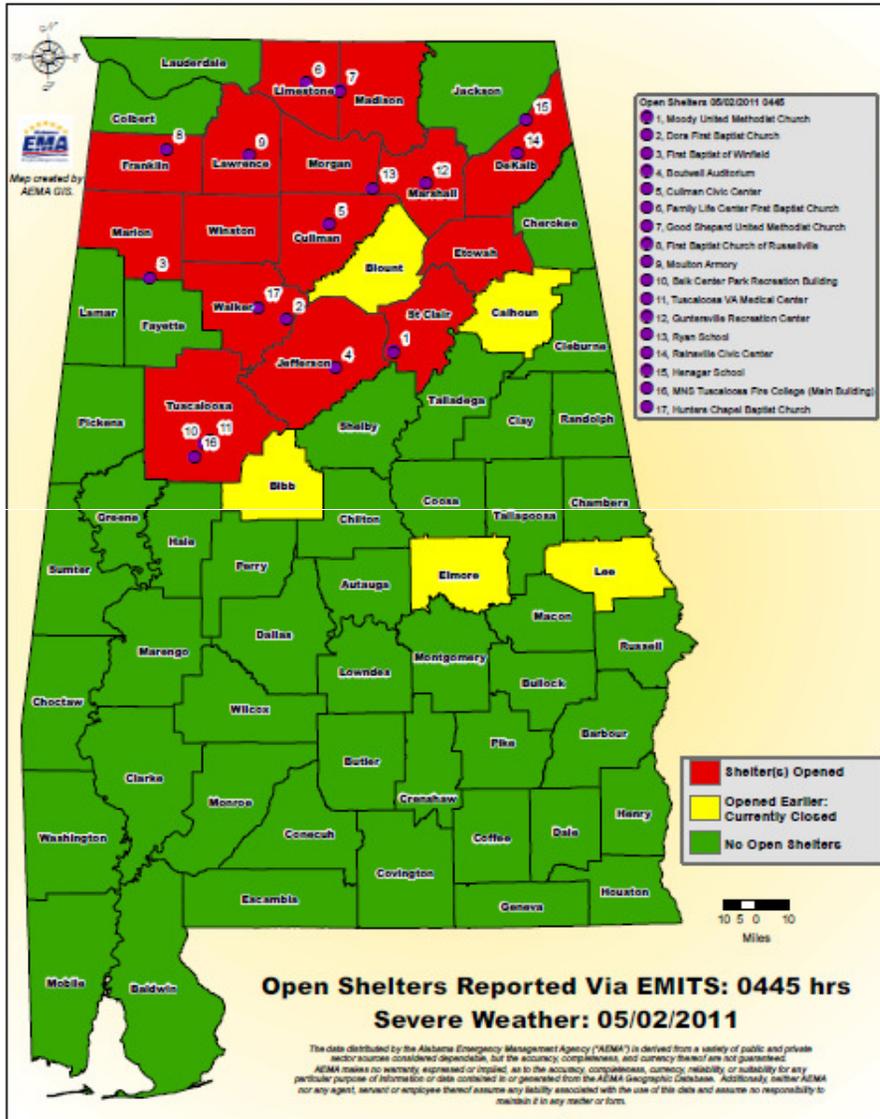
April 28, 2011 8:30 P.M.

Background

- Thursday April 28, 2011
 - Several counties in Alabama were affected by tornadoes Wednesday night.
 - AEMA confirmed 185 deaths, 655 injuries, and 6 missing persons statewide.
 - Approximately 28 mass care shelters were opened across the state, including one shelter for families of decedents for social needs in Area 6.
 - There were no medical needs shelters open at this time.
 - Area 1 staff members were deployed to Russellville Hospital to assist with triage and treatment Wednesday night.
 - 23 ambulances from Alabama and Mississippi were routed throughout the state.
 - ICS Chiefs meeting was held at 8:15 a.m.
 - DeKalb County requested a morgue trailer.
 - Area 2 may be without power for 7 days or more.
 - Medical Needs Shelter in DeKalb County was established at Henagar School (Henagar, Alabama).
 - Area 10 team notified to deploy Friday morning to Henagar School.



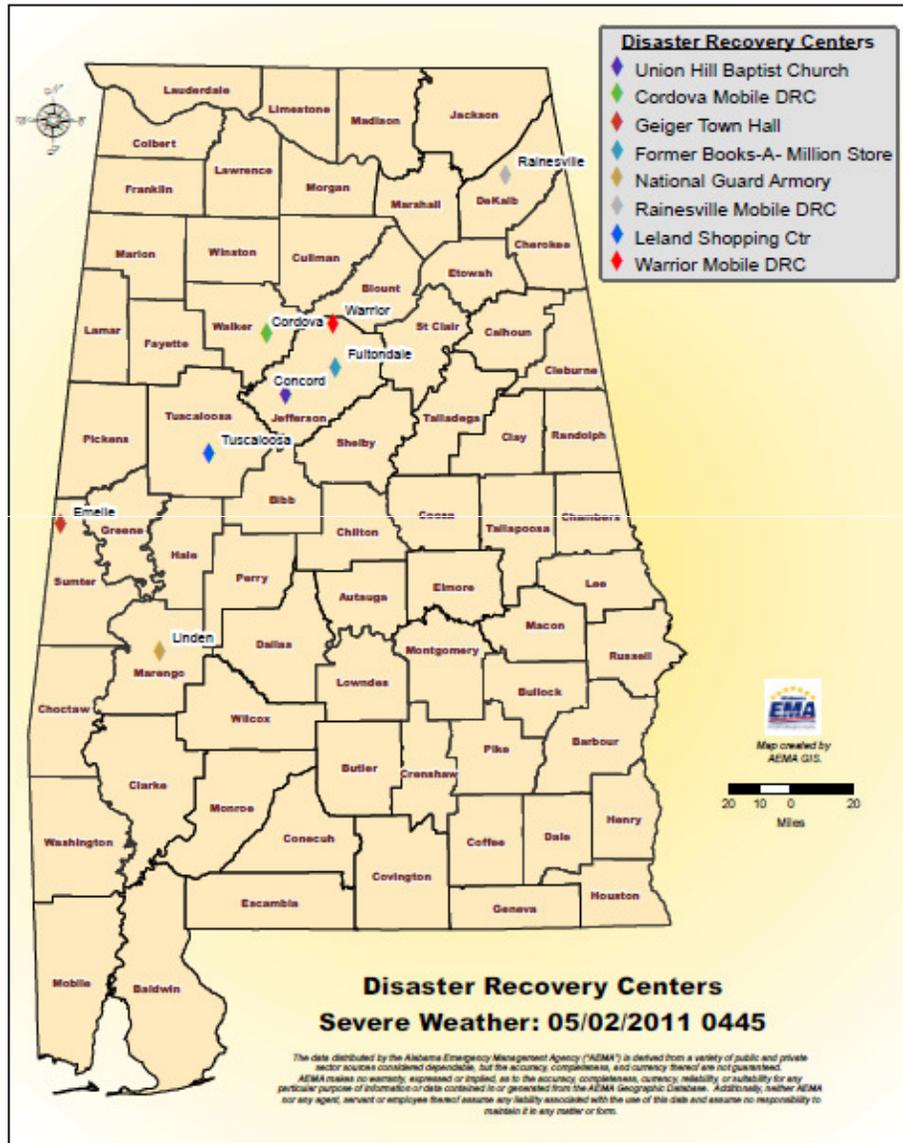
AEMA Situation Report: May 2, 0700



Shelters Open: 17
 Occupants: 419



AEMA Situation Report, May 2, 0700



Disaster Recovery Centers Open: 8



ADPH Priorities

- ◆ Staff support
- ◆ Monitor health care facilities, increase reporting rates
- ◆ Restore normal operations as possible

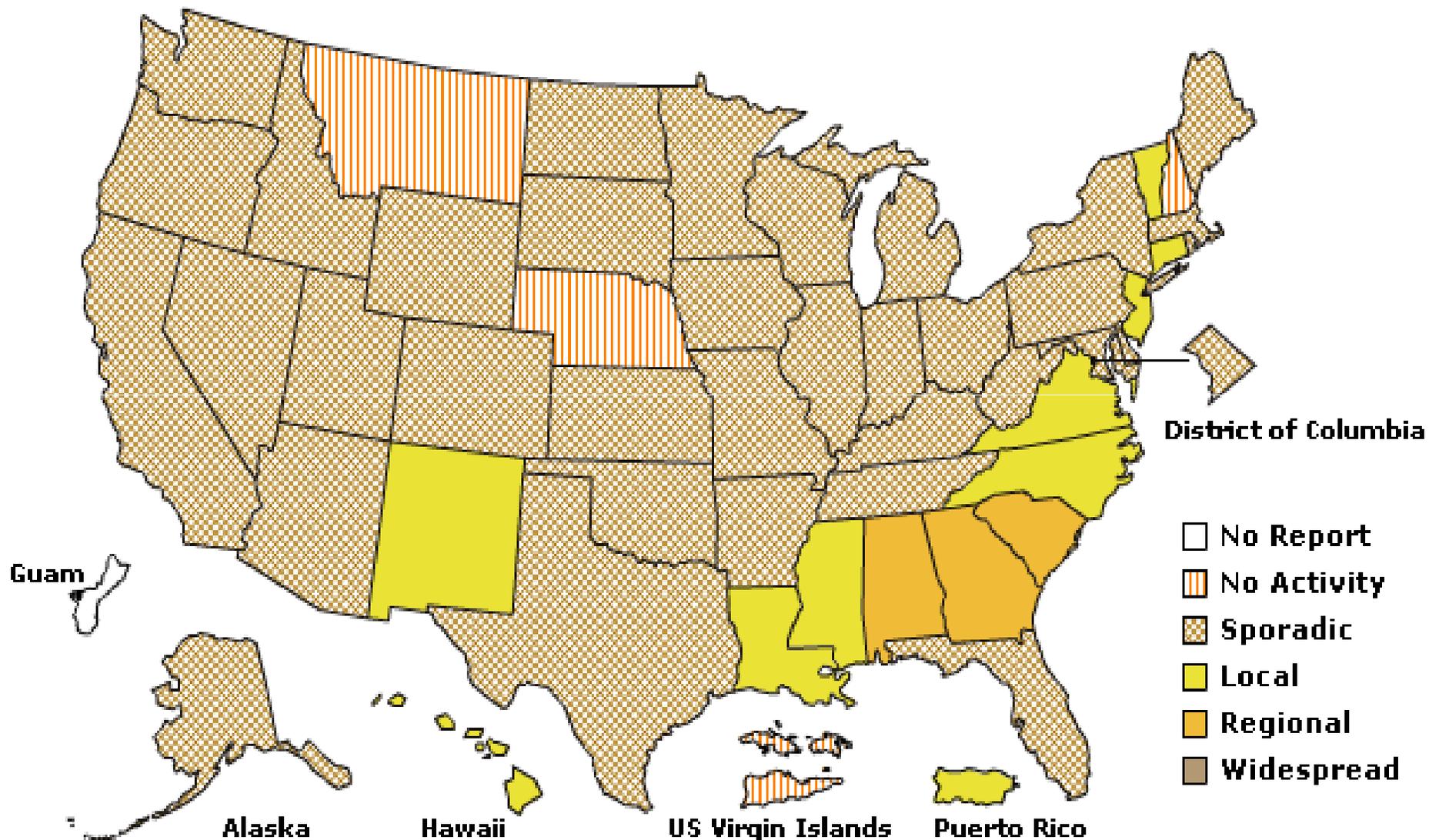


H1N1 Flu Response



**A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists***

Week Ending February 13, 2010- Week 6



[«Previous Week](#)

[Downloadable Version](#)

*This map indicates geographic spread and does not measure the severity of influenza activity.

Alabama H1N1 Update Example

- ◆ Example Report:
- ◆ For 16 weeks, Alabama has elevated influenza-like illness (ILI) activity
 - ◆ 6.4% (high 12%) of doctor's offices (ADPH Surveillance)
 - ◆ 9.7% (high 20%) of emergency rooms (AIMS data)
 - ◆ 3.3% (high 5%) of hospital admissions
- ◆ Last week, 72 out of 100 specimens were + for H1N1
- ◆ Initially, 39 deaths due to H1N1

Cumulative Influenza-associated Deaths

44 Influenza-associated deaths in 9 Alabama PHAs

- Sex
 - 15 (34%) Female
 - 29 (66%) Male

By Age Group	Age Group (%)	Sex
0-4	1 (2%)	1 Female
5-18	3 (7%)	3 Male
19-24	1 (2%)	1 Male
25-49	13 (30%)	5 Female, 8 Male
50-64	17 (39%)	5 Female, 12 Male
65+	9 (20%)	4 Female, 5 Male

*Date Reported: 2/17/2010**

ADPH Response

- Increased surveillance and laboratory
- Antiviral & vaccine website and distribution
- School-based & mass vaccine clinics
- SNS, N95 mask, and free PPE distribution
- Increased communication, hotline, news conferences, and website
- Do 10 Campaign

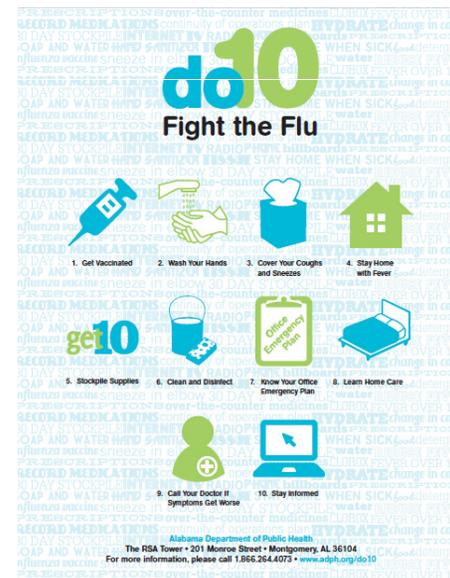


County EMA H1N1 Response

- ◆ Assisted with non-pharmaceutical SNS distribution
- ◆ Logistic support for mass vaccination clinics
- ◆ Distributed pandemic and Do 10 information

Do 10 Fight the Flu Campaign

1. Get Vaccinated
2. Wash Your Hands
3. Cover Your Cough
4. Stay Home with Fever
5. Stockpile Supplies
6. Clean and Disinfect
7. Know Your Office's Emergency Plan
8. Learn Home Care
9. Call Your Doctor When Symptoms Get Worse
10. Stay Informed



Individuals and Families Checklist

- ◆ Family Care
 - ◆ Children*
 - ◆ Parents*
 - ◆ Pets*
- ◆ Stockpile
 - ◆ Food and water
 - ◆ Over the counter (OTC) medicines
- ◆ Medical Care
 - ◆ Home care*
 - ◆ Prescriptions

The logo for the 'get10' campaign. The word 'get' is in a light green, lowercase, sans-serif font. The number '10' is in a bright blue, bold, sans-serif font, positioned to the right of 'get'.

*Not addressed in Get 10 Campaign, <http://adph.org/get10/>

get 10 get ready for emergencies

Collect and store these 10 essential items to **GET READY** for an emergency.

- Place your emergency supply kit in waterproof bags.
- Store the bags in one or two emergency containers, such as plastic tubs, unused trash cans or duffel bags.
- Store your kit where family members can locate it.
- Try to have enough food, liquid, batteries, and other supplies to last one to four weeks depending on the emergency.

For more information about emergency preparedness, contact:

ADPH Center for Emergency Preparedness
adph.org/csp

Centers for Disease Control and Prevention
cdc.gov

Federal Emergency Management Agency
fema.gov

Homeland Security
ready.gov

U.S. Department of Health and Human Services
pandemicflu.gov

ADPH EMERGENCY PREPAREDNESS

Alabama Department of Public Health

No computer? Call the Alabama Department of Public Health.

Call Toll Free: 1-866-264-4073

For TTY call Alabama Department of Rehabilitation Services at 1-800-499-1814.

Adapted and updated with permission from Montgomery County, MD, American Red Cross. The material used by the Centers for Disease Control and Prevention.



WATER



FOOD



CAN OPENER



MEDICATIONS



FIRST AID



FLASHLIGHT



RADIO



CLOTHES



PERSONAL CARE ITEMS



IMPORTANT DOCUMENTS

Questions???



Alabama Department of Public Health
Center for Emergency Preparedness
334-206-3394



www.adph.org/cep

